Appendix A

Culvert Management System

for the

West Virginia Parkways Authority

Screenshots and definitions of system design.

This appendix describes Parkways' desired Culvert Management System by illustrating the system map and screens to be developed. Parkways strongly desires that the system be designed exactly as shown on the screens; however, during the configuration effort Parkways will consider vendor recommendations for additions or changes to the screens shown herein.

System Map

1.	Start Page
2.	
	2.1. Lookup Asset by GPS
	2.2. Lookup Asset by Barcode/ID
	2.3. Lookup Asset by Station Mark
	2.4. List of Nearby Assets
3.	Asset Information
	3.1. Asset Details/Inventory
	3.2. Asset Work History
	3.2.1. Asset Work History Detail
	3.3. Asset Inspection History
	3.3.1. Asset Inspection History Detail
	3.4. Asset Work Orders
	3.6. Edit Asset Info
	3.7. Add an Asset
4.	New Inspections
	4.1. Culvert Inspection
	4.1.1. Culvert Inlet Ditch Inspection
	4.1.2. Culvert Paved/Rock Gutter
	4.1.3. Culvert Inlet Headwall Inspection
	4.1.4. Culvert Barrel Inspection
	4.1.5. Culvert Outlet Headwall Inspection
	4.1.6. Culvert Outlet Ditch Inspection
	4.1.7. Embankment
	4.2. Drop Inlet Inspection
	4.2.1. DI Concrete Structure Inspection
	4.2.2. DI Grate Inspection
	4.2.3. DI Sediment
	4.2.4. DI Paved/Rock Gutter
	4.3. Recent Inspections
5.	Work Orders
	5.1. View Open Work Orders
	5.2. Mark Work Order Complete
	5.2.1. Inspection Needed? 5.3. Create Work Order
	5.3.1. Edit Work Order
- 6	
6.	Work Reporting

1. Start Page

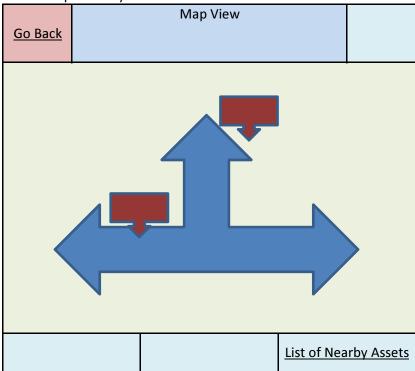
WV Parkways Authority	
Culvert Management System	
Lookup Asset by GPS	<goes 2.1<="" screen="" td="" to=""></goes>
Lookup Asset by Barcode/ID	<goes 2.2<="" screen="" td="" to=""></goes>
Lookup Asset by Station Mark	<goes 2.3<="" screen="" td="" to=""></goes>
Add an Asset	<goes 3.7<="" screen="" td="" to=""></goes>
Recent Inspections	<goes 4.4<="" screen="" td="" to=""></goes>
<u>View Open Work Order</u>	<goes 5.1<="" screen="" td="" to=""></goes>
Log Out	<logs of="" out="" system<="" td="" the="" user=""></logs>

This is the screen users will see when logging onto the mobile software.

Users shall be able to click on an Application icon on their device to load directly to this screen.

Many screens in the system will have a "Go Back" button in the top left corner. This button shall always take the user to the page they were previously on.

2.1 Lookup Asset by GPS



<Goes to screen 2.4

This screen will allow selection of drainage asset based on GPS in a map view.

This screen shall be of a "Google" or equivalent map.

The radius or scale of the viewing area of the map shall be shown on the screen.

The screen shall have zoom capabilities either by screen touch or other.

Overlaid on the map shall be markers of the drainage assets.

These assets shall be displayed in a location determined by their GPS coordinates.

The markers for the assets shown on the map shall be clickable.

Clicking on these markers will take you to screen 3 for the asset selected.

Optionally the assets may be color coded by type.

2.2 Lookup Asset by Barcode/ID

Go Back	Scan Barcode/ID						
		Scan Barcod	e				
		Scan	<u>Done</u>				
Full Keyboard for typed entry. Include speech to text.							

This screen will allow selection of drainage asset based on Barcode or ID.

A full keyboard shall be provided on the bottom portion of the screen.

Users shall either be able to click on the "Scan" button to Scan a barcode or type in the asset's ID into the keyboard.

A speech to text option shall also be included to enter the asset's ID.

Scanning the barcode or clicking on "Done" shall take the user to screen 3 for the asset identified.

2.3 Lookup Asset by Station Mark

Go Back	Lookup Asset by Station Mark			
	Enter Station Ma	arker		
		<u>Done</u>		
Full	Keyboard for typed entry. Include	speech to text.		

This screen will allow selection of drainage asset based on Station Marker.

A full keyboard shall be provided on the bottom portion of the screen.

A speech to text option shall also be included to enter the asset's ID.

Clicking on "Done" shall take the user to screen 3 for the asset identified.

2.4 List of Nearby Assets

	Nearby Assets		
Go Back			
D10135		Station	THE STATE OF THE S
Drop Inlet		1606+00	
36" x 85'			1111
D10234		Station	
Pipe Outfal	I	1890+50	
18" x 105'			
D10521		Station	
Drop Inlet		1955+00	
18" x 295'			
D10641		Station	WWW
Drop Inlet		1992+00	
18" x 45'			

This screen will allow selection of drainage asset based on GPS in a list view.

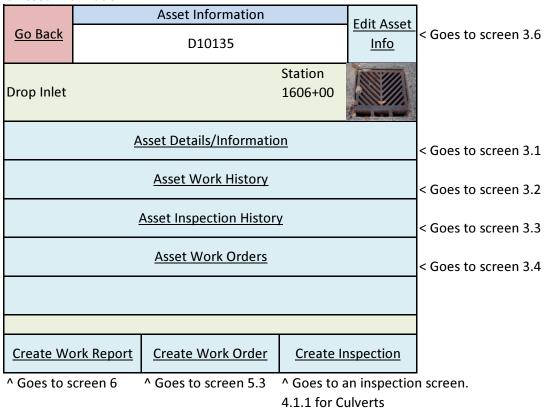
This screen shall be of a list of assets near the user based on a selected radius. The radius area of the map shall be shown at the top of the screen.

These assets shall be displayed with the closest on top based on GPS coordinates.

Each asset shall be listed with details including: ID, Type, Size, Station, and a picture.

Clicking the asset's row will take you to screen 3 for the asset selected.

3 Asset Information



This screen is the default screen for all asset information. When selecting an asset from another view it will take you to this screen.

4.2.1 for Drop Inlets

The bottom section of most of the 3.x screens will have the same 3 buttons. These buttons will provide consistency across the platform.

Clicking on the Create Work Report button takes you to the Work Reporting screen (6) It will provide the screen with the ID of the asset so that any work reported will be connected to the asset.

Clicking on the Create Work Order button takes you to the Work Order screen (5.3) It will provide the screen with the ID of the asset so that any created work order will be connected to the asset.

Clicking on the Create Inspection button takes you to the correct Inspection screen. The system shall know whether the asset is a Culvert or Drop inlet and will take the user to the correct screen to complete the inspection. 4.1.1 for Culverts or 4.2.1 for Drop Inlets.

The main section of this particular screen will have the asset ID at the top. It will include the type of asset this is, the station marker, and a picture of the asset.

Under that will be links to other detailed reports on this asset. These links will include: Detail, Work History, Inspection History, Work Orders, and Pictures.

3.1 Asset Details/Inventory

3.1 H33EL D	etalis/ lilvei	itory			
	Α	sset Details/Information	on	Edit Asset	
Go Back D10135		Info	< Goes t		
	Туре	Drop Inlet			
	Station	1606+00			
	Location	NBL 68' Rig	ght BL		
	D: C:	2.61			
	Pipe Size	36"			
	Pipe Length	n 85'			
	Pipe Type	RCP			
	PI or NPI				
	Last Rating	1			
	Date	41256			
	Open WO	0			
Create Wo	ork Report	Create Work Order	Create Ir	nspection	
					п

This screen provides the details of the drainage asset.

The screen would include data from the database such as: ID, Type, Station, Location, Size, Length, Pipe Type, PI or NPI.

This screen could also show information such as the last rating the asset received and how many open Work Orders the asset has.

3.2 Asset Work History

3.2 /\33Ct V\					•
		Asset Work History			
Go Back		D10135			
4/8/2014		Culvert Cleaning	< Goes to screen 3.2.1		
4/8/2014		Culvert Camera			
6/8/2013		Brush Cleared			
3/8/2012		Culvert Repaired			
Create Wo	ork Report	Create Work Order	<u>Create Ir</u>	<u>spection</u>	

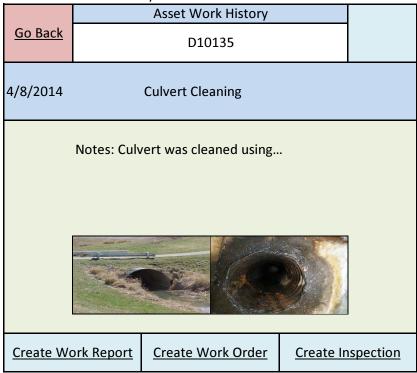
This screen will show the work history corresponding to the selected asset.

All past work history shall be listed here showing the data the work was completed along with what work was done.

Clicking on one of the Work History rows will take you to the detail view for that line. (Screen 3.2.1)

The Work History shall be listed with the newest items at the top of the screen.

3.2.1 Asset Work History Details



This screen will provide a detailed view of the Work History selected on the previous screen (3.2).

This screen will show the date work was completed, what work was accomplished, any notes that were reported, and pictures that were taken.

3.3 Asset Inspection History

	,	Asset Insp	ection Histor	У		
Go Back		D10135				
Date	Element		Rating	Flag	Inspector	
12/13/12	Inlet Ditch		<u>1</u>		<u>GSD</u>	
	Inlet Heady	<u>vall</u>	<u>3</u>		_	
	<u>Culvert</u>		<u>1</u>			< Goes to screen 3.3.1
	<u>Invert</u>		<u>3</u>			
	Outlet Hea	<u>dwall</u>	<u>2</u>			
	Outlet Ditc	<u>h</u>	<u>1</u>			
11/15/10	Inlet Ditch		2		PK	
	Inlet Heady	vall	3			
	Culvert		2			
	Invert		3			
	Outlet Hea	dwall	3			
	Outlet Ditc	h	2			
Create Work Report Crea		Create '	Work Order	Create Ir	nspection	

This screen will show the inspection history of the selected asset.

The top of the screen shall indicate the ID of the asset the user is reviewing.

Each inspection will be listed with the newest first.

Each line will show each of the graded elements of the asset along with the lowest rating that element received in the inspection. Elements that were flagged shall also display that information here.

Inspector initials shall be included on the line with each inspection.

Each of these inspections shall be clickable to go into an inspection details screen (3.3.1)

3.3.1 Asset Inspection History Detail

5.5.1 Asset hispection flistory betain							
	Asset Inspec	Inspector					
Go Back		GSD					
	DIC)135		12/13/12			
Element		Rating	Flag				
Inlet Ditch							
	Heavy Silt Build Up	2					
	Heavy Brush	3					
	Wash Out	1					
Inlet Heady	wall						
	Heavy Deterioration	3					
	Cracking	3					
	Separation	3					
				3300000			
Culvert		•••••	•••••••••••				
	Heavy Corrosion	2					
	Section Loss	1					
	Video Req?	1					

This screen will show the detail of the selected inspection report.

The top of the screen shall show the ID of the asset the user is reviewing. The initials of the inspector and the date of the inspection shall also be indicated.

Each element of the inspection shall have it's own section.
In those sections the condition that was rated shall be shown along with the rating it received and a flag if the condition was flagged.
If a picture was taken for the element that shall be shown in this section as well.

3.4 Asset Work Orders

		Asset Work Orders				
Go Back		D10135				
12/13/12		Inlet Ditch Washout				
GSD		Additional Directions		Parkways		
12/13/12		Culvert Section Loss				
GSD		Additional Directions	Contractor			
12/13/12		Culvert Video Recordir	ng			
GSD		Additional Directions	ı	Parkways		
11/15/10		Medium Silt Buildup				
PK		Additional Directions	•	HNTB		
				_		
Create Wo	ork Report	Create Work Order	Create In	spection		

This screen will show a list of all active Work Orders for the selected asset.

The screen shall show the ID of the asset the user is currently viewing.

Each Work Order shall be listed with the newest listed at the top of the screen.

The section for each Work Order shall show the date it was added, the initials of the inspector that created the Work Order, the issue, any additional directions provided, and a flag if the Work Order was flagged as priority. Under the Flag it will list who the Work Order is assigned to.

Clicking on one of the Work Orders will ask the user if the system shall mark the Work Order as complete. (Screen 5.2)

3.6 Edit Asset Info

	Edit	Asset Det	ails/Informa	tion	Asset	
Go Back		D1	0135		<u>Details</u>	< Goes to screen 3
	Туре		Drop Inlet			
	Station		1606+00			
	Location		NBL 68' Rig	ght BL		
	Dina Ciza		36"			
	Pipe Size Pipe Length	1	85'			
	Pipe Type		RCP			
	PI or NPI					
				•		
Create Wo	ork Report	Create W	ork Order	Create In	<u>ispection</u>	

This screen allows the editing of the information in the database corresponding to the selected asset.

The selected asset shall be listed at the top of the screen.

All informational fields in the database shall be listed here. Clicking on the current data (light blue boxes) shall open up a keyboard and allow the user to change the information that is in that field.

Clicking any button to leave this page shall save the newly entered data.

3.7 Add an Asset

		Add Asset		
<u>Go Back</u>				
	ID/Barcode	2		
	Туре			
	Station Location			
	Pipe Size			
	Pipe Length	า		
	Pipe Type			
	PI or NPI			
	Lat			
	Long			
		Retrieve GPS Location	<u>Sa</u>	<u>ve</u>

This screen allows the addition of assets into the system.

Clicking on the "Retrieve GPS Location" button will populate the "Lat" and "Long" fields with the data from the GPS provided by the handheld.

All fields from the system shall be listed here with the option to enter data for the newly created asset.

The fields ID/Barcode, Type, Location, Lat, and Long shall be required before the user can hit the "Save" button.

4.1.1 Culvert Inlet Ditch Inspection

		Culvert Inspection D10135				
Go Back						
Inlet Ditch						
Sediment E	Sediment Build Up (1) Sediment Build Up (2) Sediment Build U			Build Up (3)		
Brush B (1	-	Brush Build Up (2)	Brush Build Up (3)			
Ditch E		Ditch Erosion (2)		Erosion 3)		
		Take Photo	<u>Next E</u>	<u>lement</u>		

< Goes to screen 4.1.2

This screen will start the inspection process for any asset with the type "Culvert"

The process will start with the Element of "Inlet Ditch".

Inlet Ditch will have 3 Conditions that will be rated.

Those 3 conditions are: Sediment Build Up, Brush Build Up, and Ditch Erosion.

Each of the conditions shall have a box associated with each possible condition rating. Clicking on the condition rating will highlight that box. The user can change which boxes are highlighted but, only 1 box can be highlighted for each row.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.1.2 in this case)

4.1.2 Culvert Paved/Rock Gutter Inspection

1.1.2 Carve	rt r avea/ ne	ock dutter inspection			-
		Culvert Inspection			
Go Back		D10135			
Paved/Rock	k Gutter				
	Paved/Rock Gutter (1) Paved/Rock Gutter (3)				
Previous	Element	Take Photo	Next E	lement	< Goes to screen 4

[^] goes to screen 4.1.1

The next element of the Culvert inspection will be "Paved/Rock Gutter".

Paved/Rock Gutter will have 1 Condition that will be rated. That 1 condition only has 2 options available to the user. (1 or 3)

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.1.3 in this case)

4.1.3 Culvert Inlet Headwall Inspection

	Culvert Inspection					
Go Back		D10135				
Inlet Headv	vall					
Spalling, Dete	rioration, and	Spalling, Deterioration, and	Spalling, Dete	rioration, and		
Crac	king	Cracking	Crac	king		
(1	L)	(2)	(3	(3)		
Separ	ation	Separation	Separ	ration		
(1		(2)	(3)			
Previous	Element	Take Photo	Next El	lement		

Goes to screen 4.1.4

The next element of the Culvert inspection will be "Inlet Headwall".

Inlet Headwall will have 2 Conditions that will be rated.

Those 2 conditions are: Spalling, Deterioration, and Cracking and Separation.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.1.4 in this case)

[^] goes to screen 4.1.2

4.1.4 Culvert Barrel Inspection

4.1.4 Cuive	it bailelins	4.1.4 Culvert Barrer hispection					
		Culvert Inspection					
Go Back		D10135					
Culvert Bar	rel						
	Structure Structure Structure (1) (2) (3)						
	kage 1)	Blockage (2)		kage 3)			
Previous	Element	Take Photo	Next E	lement			

Goes to screen 4.1.5

The next element of the Culvert inspection will be "Culvert Barrel".

Culvert Barrel will have 2 Conditions that will be rated.

Those 2 conditions are: Structure and Blockage.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.1.5 in this case)

[^] goes to screen 4.1.3

4.1.5 Culvert Outlet Headwall

4.1.3 Cuive	rt Outlet ne	auwaii			
		Culvert Inspection			
Go Back	D10135				
Outlet Head	dwall				
Spalling, Dete	rioration, and	Spalling, Deterioration, and	Spalling, Dete	rioration, and	
Crac	king	Cracking	Crac	cking	
(1	L)	(2)	(3	3)	
Separ	ation	Separation	Separ	ration	
. (1		(2)	-	3)	
Previous	Element	Take Photo	Next E	lement	

Goes to screen 4.1.6

The next element of the Culvert inspection will be "Outlet Headwall".

Outlet Headwall will have 2 Conditions that will be rated.

Those 2 conditions are: Spalling, Deterioration, and Cracking and Separation.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.1.6 in this case)

[^] goes to screen 4.1.4

4.1.6 Culvert Outlet Ditch

		Culvert Inspection				
Go Back		D10135				
Outlet Ditc	h					
Sediment E	Build Up (1)	Sediment Build Up (2)	Sediment Build Up			
Brush B (1	•	Brush Build Up (2)	Brush Build Up			
Ditch E		Ditch Erosion (2)		Erosion 3)		
Previous	Element	Take Photo	Next E	lement		

< Goes to screen 4.1.7

The next element of the Culvert inspection will be "Outlet Ditch".

Outlet Ditch will have 3 Conditions that will be rated.

Those 3 conditions are: Sediment Build Up, Brush Build Up, and Ditch Erosion.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.1.7 in this case)

[^] goes to screen 4.1.5

4.1.7 Culvert Embankment

		Culvert Inspection			
Go Back		D10135			
Embankme	nt				
	nkment Erosion Embankment Erosion (1) (2) Embankment Erosion (3)				
Previous	Element	Take Photo	Finish In	spection	< Completes Inspection

^ goes to screen 4.1.6

Returns user to screen 3.

The next element of the Culvert inspection will be "Embankment".

Embankment will have 1 Condition that will be rated.

Those 3 conditions are: Sediment Build Up, Brush Build Up, and Ditch Erosion.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Finish Inspection" will ask for the inspector's initials and save the inspection to the system. Then it will return the user to the asset information screen for the asset they completed (screen 3).

4.2.1 Drop Inlet Concrete Structure Inspection

		Drop Inlet Inspection			
Go Back		D10135			
Concrete S	tructure				
C III		c III	C 11:		
Spallir Deterio	_	Spalling and Deterioration	Spallir	ng and oration	
Deterio		(2)		3)	
		Take Photo	Next E	lement	< Go

This screen will start the inspection process for any asset with the type "Drop Inlet"

screen 4.2.2

The process will start with the Element of "Concrete Structure".

Inlet Ditch will have 1 Condition that will be rated.

That condition is the level of Spalling and Deterioration.

Each of the conditions shall have a box associated with each possible condition rating. Clicking on the condition rating will highlight that box. The user can change which boxes are highlighted but, only 1 box can be highlighted for each row.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.2.2 in this case)

4.2.2 Drop Inlet Grate

4.2.2 DIOP	mict Grate				_
		Drop Inlet Inspection			
Go Back		D10135			
Grate					
Gra (1		Grate (2)		ate 3)	
Previous	Element	Take Photo	Next E	lement	< Goes to screen 4.2.3

^ goes to screen 4.2.1

The next element of the Drop Inlet inspection will be "Grate".

Grate will have 1 Condition that will be rated. That is the condition of the Grate.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.2.3 in this case)

4.2.3 Drop Inlet Sediment

11210 2106	mict Scami	C11C			_
Drop Inlet Inspection					
Go Back		D10135			
Sediment					
Sedir (1		Sediment (2)		ment 3)	
Previous	Element	Take Photo	Next E	lement	< Goes to scre

4.2.4

The next element of the Drop Inlet inspection will be "Sediment".

Sediment will have 1 Condition that will be rated. That is the level of Sediment.

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Next Element" will take the user to the next screen in the inspection process. (4.2.4 in this case)

[^] goes to screen 4.2.2

4.2.4 Drop Inlet Paved/Rock Gutter

		Drop Inlet Inspection				
Go Back		D10135				
Paved/Rock	Gutter					
Paved/Rock Gutter (1)				ock Gutter 3)		
Previous	Element	Take Photo	Finish In	spection	< Compl	

^ goes to screen 4.2.3

Completes Inspection Returns user to screen 3.

The last element of the Drop Inlet inspection will be "Paved/Rock Gutter".

Paved/Rock Gutter will have 1 Condition that will be rated. That 1 condition only has 2 options available to the user. (1 or 3)

Clicking on "Take Photo" shall allow the user to take a picture of the element the user is currently inspecting.

If one of the conditions has been rated as a "1" the user shall be required to take a picture of the element before continuing with the inspection.

Clicking on "Finish Inspection" will ask for the inspector's initials and save the inspection to the system. Then it will return the user to the asset information screen for the asset they completed (screen 3).

4.4 Recent Inspections

		Recent Inspections				
Go Back						
ID	Туре	Latest Rating	Flag			
D10135	Drop Inlet	4				
5/13/14	36"x85"					
D10153	Culvert	2				
4/12/14	36"110"					
D10250	Drop Inlet	5				
3/14/14	36"x85"					
D12851	Drop Inlet	3				
12/13/13	36"x85"					
D12253	Drop Inlet	1				
12/13/12	36"x85"					
D12287	Drop Inlet	2				
12/13/12	36"x85"					
D12271	Drop Inlet	2				
10/8/11	36"x85"					

This screen will show a list of the most recent inspections.

The list will show the ID, Type, and size of the inspected asset along with the date of the inspection, the overall rating of that inspection, and a flag if the asset was flagged.

The list shall be ordered with the most recent inspection on the top.

Clicking on one of the listed inspections will take you to the detailed inspection report for that inspection (screen 3.3.1)

The last ?20? Inspections shall be listed.

5.1 View Open Work Orders

		Asset Work Orders	
Go Back		All Open Work Orders	
ID	Туре	No of Wos	Flag
D10135	Drop Inlet	4	
1606+00	36"x85"		
D10153	Culvert	2	
1406+00	36"110"		
D10250	Drop Inlet	5	
1375+00	36"x85"		
D12851	Drop Inlet	3	
1250+00	36"x85"		
D12253	Drop Inlet	1	
1500+00	36"x85"		
D12287	Drop Inlet	2	
1400+00	36"x85"		
D12271	Drop Inlet	2	
1300+00	36"x85"		

This screen will show a list of all open work orders in the system.

The list will show the ID, Type, station mark, and size of the inspected asset along with the number of Work Orders assigned to that asset and a flag if one of the work orders was flagged as important.

Clicking on an item in this list will take you to the asset work order screen (3.4).

5.2 Mark Work Order Complete

	Asset Work Order				
Go Back		D10135			
12/13/12 Inlet Ditch Washout GSD Additional Directions Would you like to mark this Work Order as					
Completed?					
<u>Yes</u>		Edit Work Order	<u>No</u>		

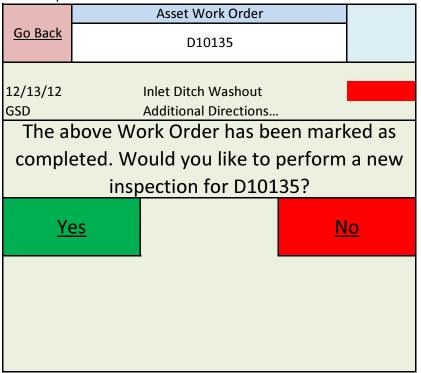
This is the screen a user shall see after clicking on a Work Order from screen 3.4

Clicking on Yes will mark the Work Order as complete in the system and remove it from screen 3.4.

Clicking Yes will also take the user to the dialog box on screen 5.2.1.

Clicking No will not make any changes to the system and take the user back to screen 3.4.

5.2.1 Inspection Needed?



This is the screen a user shall see after clicking on a Yes on screen 5.2.

If the user selects Yes to performing a new inspection it will take the user to the correct inspection screen (either 4.1.1 for Culvert or 4.2.1 for Drop Inlet).

Clicking No will return the user to screen 3.4 with any additional Work Orders still listed.

5.3 Create Work Order

		Create Work Order		
Go Back		D10135		
<u>Date:</u>		<u>Issue:</u> Drop Down List of poss	sihla	Flag:
12/13/12		Problems.	Sibie	
Inspector:	Additional Directions:			
GSD		Manually key in any additional		
G3D	directions.			
	Assigned To:			
		Parkways		
Add additi Ord	onal Work der	Take Photo	<u>Finis</u>	shed

This screen will allow users to create work orders in the system.

The date shall be auto populated.

Clicking in the Issue field will give a drop down list of items we have defined as possible issues that can be listed here.

Clicking in the Flag field will turn the flag on or off.

Clicking in the Inspector field will allow the inspector to add their initials.

Clicking in the Additional Directions field will allow the user to add any

additional specific directions they would like to add to the Work Order.

Clicking in the Assigned To: field will give options for the user to select.

These options will be Parkways, HNTB, and Contractor. These may need updated in the future.

The Add Additional Work Order button will save the current Work Order and begin a new one.

The Take Photo button will allow the inspector to take a photo and attach it to this Work Order.

The Finished button will save the current Work Order and take the user to screen 3.4.

5.3.1 Edit Work Order

	Edit Work Order D10135			
Go Back				
<u>Date:</u>		<u>Issue:</u> Drop Down List of pos	sible	<u>Flag:</u>
12/13/12	Problems.			
Inspector:	Additional Directions:			
GSD		Manually key in any additional		
<u> </u>	directions.			
	Assigned To:			
		Parkways		
		Take Photo	Save C	hanges

This screen will allow users to edit a Work Order.

The screen behaves the same way as screen 5.3.

The Date field shall change to the current date to show the last time the Work Order was edited.

The Save Changes button will save the Work Order and return the user to screen 3.4.

6 Work Reporting

Go Back	Asset Work Reporting			
		D10135		
Work Completed				
Culvert Cleaned			(Drop Down List)	
<u>Notes:</u>				
Notes on completed activity. (Manually Entered)				Entered)
	her Work em	Take Photo	Finish Wo	ork Report

This screen is where users will report the work they have completed on an asset.

The blue box under "Work Completed" shall be clickable and give a drop down list of the types of work prepopulated into the system.

The notes field shall allow the user to type or speak to the device to add notes about the work they completed.

Clicking on "Add Another Work Item" will save the current Work Report and create a new blank one for the user to edit.

Take photo shall allow the user to add photos to the work report.

Finish Work Report will save the report and take the user to screen 3.0 for the current asset.